

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
))
 Robert S. Beach))
Application No.: 09/827,278))
Filed: April 4, 2001))
For: SPIN VALVE SENSOR WITH AN))
 ANTIFERROMAGNETIC LAYER BETWEEN))
 TWO PINNED LAYERS))
)

Assistant Commissioner for Patents
Box Missing Parts
Washington, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION
(FILING DATE GRANTED)

Sir:

In response to the Notice to File Missing parts of Application (Filing Date Granted) mailed May 18, 2001, please find enclosed:

- (1) a duly executed Declaration and Power of Attorney with respect to the above-referenced patent application;
- (2) a check in the amount of \$130.00 in payment of the surcharge of 37 C.F.R. § 1.16(e);
- (3) a copy of the Notice to File Missing Parts of Application;

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

on July 12, 2001
Date of Deposit
Janece Shannon
Name of Person Mailing Correspondence
Janece Shannon 7-12-01
Signature Date

If any additional fee is required, please charge Deposit Account No. 02-2666. A duplicate of this Response is enclosed for deposit account charging purposes.

Respectfully submitted,

BLAKELY SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 7/12/01


Robert B. O'Rourke
Reg. No. 46,972

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8300

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Seventh Floor
Los Angeles, CA 90025-1026
(408) 720-8300

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

DOCKET: SJ0919990038US2-003594.P023X

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**SPIN VALVE SENSOR WITH AN ANTIFERROMAGNETIC
LAYER BETWEEN TWO PINNED LAYERS**

the specification of which (check one)

is attached hereto.

was filed on 04/04/2001

as Application Serial No. 09/827,278

and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

<input type="checkbox"/> None (Number)	<input type="checkbox"/> Yes (Country)	<input type="checkbox"/> No (Day/Month/Year Filed)
---	---	---

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>09/615,158</u> (Application Serial No.)	<u>July 13, 2000</u> (Filing Date)	<u>Pending</u> (Status) (patented, pending, abandoned)
---	---------------------------------------	---

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

DOCKET: SJO919990038US2-003594.P023X

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Abdy Raissinia (#38,686)
Paik Saber (#37,494)
Christopher A. Hughes (#26,914)
John E. Hoel (#26,279)
Robert B. Martin (#26,945)
William D. Gill (#44,124)

Douglas R. Millett (#31,784)
Edward A. Pennington (#32,588)
Joseph C. Redmond, Jr. (#18,753)
Randall J. Bluestone (#40,518)

Send correspondence to: Robert B. O'Rourke, Esq.
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
12400 Wilshire Boulevard
Seventh Floor
Los Angeles, California 90025-1026

Direct Telephone Calls to: Robert B. O'Rourke
(408) 720-8300

Full name of sole or first joint-inventor: Robert S. Beach

Inventor's signature:

Date:

7-11-01

Residence: Los Gatos, California

Citizenship: U.S.A.

Post Office Address: 16173 Roseleaf Lane
Los Gatos, California 95032



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/827,278	04/04/2001	Robert S. Beach	003594.P023X

CONFIRMATION NO. 6618

FORMALITIES LETTER



OC000000006091878

Robert B. O'Rourke
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Seventh Floor
12400 Wilshire Boulevard
Los Angeles, CA 90025-1026

Date Mailed: 05/18/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center
Initial Patent Examination Division (703) 308-1202
PART 2 - COPY TO BE RETURNED WITH RESPONSE

Serial/Patent No.: 09/827,278

Filing/Issue Date: April 4, 2001

Client: IBM, Storage Systems Division

Title: SPIN VALVE SENSOR WITH AN ANTIFERROMAGNETIC LAYER BETWEEN
TWO PINNED LAYERS

BSTZ File No.: 03594P023X

Atty/Secty Initials: JPW/ROR/jis

Date Mailed: July 12, 2001

Docket Due Date: July 18, 2001

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- Amendment/Response (____ pgs.)
- Appeal Brief (____ pgs.) (in triplicate)
- Application - Utility (____ pgs., with cover and abstract)
- Application - Rule 1.53(b) Continuation (____ pgs.)
- Application - Rule 1.53(b) Divisional (____ pgs.)
- Application - Rule 1.53(b) CIP (____ pgs.)
- Application - Rule 1.53(d) CPA Transmittal (____ pgs.)
- Application - Design (____ pgs.)
- Application - PCT (____ pgs.)
- Application - Provisional (____ pgs.)
- Assignment and Cover Sheet
- Certificate of Mailing
- Declaration & POA (2 pgs.) (Executed)
- Disclosure Docs & Orig & Copy of Inventor Signed Letter (____ pgs.)
- Drawings: _____ # of sheets includes _____ figures

- Express Mail to: _____
- _____ Month(s) Extension of Time
- Information Disclosure Statement & PTO 149 (____ pgs.)
- Issue Fee Transmittal
- Notice of Appeal
- Petition for Extension of Time
- Petition for _____
- Postcard
- Power of Attorney (____ pgs.)
- Preliminary Amendment (____ pgs.)
- Reply Brief (____ pgs.)
- Response to Notice of Missing Parts (In duplicate)
- Small Entity Declaration for Indep. Inventor/Small Business
- Transmittal Letter, in duplicate
- Fee Transmittal, in duplicate

Other: Notice To File Missing Parts (Filing Date Granted).
Certificate of First Class Mailing with copy of postcard
showing contents of package.

BLAKELY, SOKOLOFF, LTD.
A PARTNERSHIP INVENTIONS
1271 K Street, Suite 1000
Washington, DC 20004-2303

44086

AMERICAN EXCHANGE BANK
1000 BROADWAY, CALIFORNIA 90010

PAY ONE HUNDRED THIRTY & NO/100

TO
THE
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OF

Director of the United States
Patent & Trademark Office
Washington, DC 20231-0001

POLYGRAPHIC CHECKLISTS
FOR SECURITY AND PROTECTION ON REVERSE ENGINEERING

July 12, 2001

DOLLARS \$ 130.00

M.S.

"04086" "1211375221" "1890" "67366" "6"

NP

DETACH AND RETAIN THIS STATEMENT
AS ATTACHED CHECK IS PAYMENT OF ITEMS DESCRIBED BELOW
IN CONTRACT, IN THE AMOUNT OF FORTY-NINE DOLLARS AND NINETEEN CENTS (\$49.19)

Invoice:
3594.P023X - IBM, Storage Systems Division
ROR/j
Missing Parts
Title: "Spin Valve Sensor With An Antiferromagnetic Layer Between Two Pinned Layers"
Inventor: Robert S. Beach
Application No.: 09/827,278
Filed: April 4, 2001

44086

FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

on July 12, 2001

Date of Deposit

Janece Shannon
Name of Person Mailing Correspondence

Janece Shannon
Signature

7-12-01

Date

Serial/Patent No.: 09/827,278 Filing/Issue Date: April 4, 2001

Client: IBM, Storage Systems Division

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- | | | |
|---|--|--|
| <input type="checkbox"/> Amendment/Response (____ pgs.) | <input type="checkbox"/> Express Mail No.: _____ | <input checked="" type="checkbox"/> Check No. <u>44086</u> |
| <input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate) | <input type="checkbox"/> _____ Month(s) Extension of Time | Amt: <u>130.00</u> |
| <input type="checkbox"/> Application - Utility (____ pgs., with cover and abstract) | <input type="checkbox"/> Information Disclosure Statement & PTO-144 (____ pgs.) | <input type="checkbox"/> Check No. _____ |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.) | <input type="checkbox"/> Issue Fee Transmittal | Amt: _____ |
| <input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.) | <input type="checkbox"/> Notice of Appeal | |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.) | <input type="checkbox"/> Petition for Extension of Time | |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.) | <input type="checkbox"/> Petition for _____ | |
| <input type="checkbox"/> Application - Design (____ pgs.) | <input checked="" type="checkbox"/> Postcard | |
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| <input checked="" type="checkbox"/> Declaration & POA (____ pgs.) (Executed) | <input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business | |
| <input type="checkbox"/> Disclosure Docs & Qig & Copy of Inventor Signed Letter (____ pgs.) | <input type="checkbox"/> Transmittal Letter, in duplicate | |
| <input type="checkbox"/> Drawings: ____ # of sheets includes ____ figures | <input type="checkbox"/> Fee Transmittal, in duplicate | |

Other: Notice To File Missing Parts (Filing Date Granted).

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